

00229US1.ST25.txt
SEQUENCE LISTING

<110> Benjamin, Christopher
Roberds, Steve
Ruble, Cara
Gotow, Lisa
Karnovsky, Alla

<120> Human Ion Channels

<130> 00229.US1

<150> 60/207,152

<151> 2000-05-26

<150> 60/207,257

<151> 2000-05-26

<150> 60/207,119

<151> 2000-05-26

<160> 42

<170> PatentIn version 3.0

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00229US1.ST25.txt

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agcatgtttt caaacattga cattacgttt ttc 573

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00229US1.ST25.txt

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<210> 7
 <211> 562
 <212> DNA
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 agagcctcct tgccctgggt ggctgggac gaagagtaat tgtgagggt gtgtgtgtag 240
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00229US1.ST25.txt

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<210> 8
<211> 596
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ggcagcataa agaaatgagt aacagcatgg actcccgaac aataggttca aatctttgct 240
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gcttctgctg ctgttggtat tgttggtgtt gtttgtgca ttgttccatt ctaactgtct 540
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<210> 9
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<211> 691

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<212> DNA
<213> Homo sapiens

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<210> 11
 <211> 632
 <212> DNA
 <213> Homo sapiens

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<210> 12
 <211> 553
 <212> DNA
 <213> Homo sapiens

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00229US1.ST25.txt

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<210> 13
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<212> DNA
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<210> 14
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<212> DNA
<213> Homo sapiens

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<210> 15
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ctcattgcct tatatcatat gtgtc 625

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<210> 16
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<212> DNA
<213> Homo sapiens

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<210> 17
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<212> DNA
<213> Homo sapiens

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cttatatgag ggaagaagaa aggttttcaa tcaatactct aagttttcat tttgtgaaac 180
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00229US1.ST25.txt

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<210> 18
 <211> 457
 <212> DNA
 <213> Homo sapiens

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<210> 19
 <211> 550
 <212> DNA
 <213> Homo sapiens

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 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 20

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Thr Ser Thr Ile Ala Met Ser His Cys Arg Pro Thr Val Tyr Lys Gln
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Thr Ser Ile Ile
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<210> 21
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 21

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 1 5 10 15

Thr His Leu Leu Cys Cys Cys Arg His Gly Val Ser Leu Val Ile Leu
 20 25 30

Phe Ser Ser Ala Glu Tyr Asp Met Arg Glu Val Asn Ser Ala
 35 40 45

<210> 22
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 <212> PRT
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<400> 22

Tyr Val Ala Phe Ser Phe Leu Tyr Ile Leu Leu Gly Leu Thr Val Ile
 1 5 10 15

Gly Ala Phe Leu Asn Leu
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<210> 23
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 23

Ile Ser Thr Val Gly Tyr Gly Asp Met Tyr Pro Glu Thr His Leu Gly
 1 5 10 15

Arg Phe Phe Ala Phe Leu Cys Ile Ala Phe Gly Ile Ile
 20 25

<210> 24
 <211> 18
 <212> PRT
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<400> 24

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 1 5 10 15

Ile Gly

<210> 25
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 <212> PRT
 <213> Homo sapiens

<400> 25

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Thr Thr Ile Gly Asn Trp Leu Arg
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<210> 26
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 <213> Homo sapiens

<400> 26

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 1 5 10 15

Ile Gly

<210> 27
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 27

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 1 5 10 15

Leu Thr Leu Gly Arg Phe Leu Asn Leu
 20 25

<210> 28
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 28

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 1 5 10 15

Val Gly

<210> 29
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 29

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 1 5 10 15

Gly Tyr Gly Asp Met Ala Pro Val Thr Val Gly Gly Lys Ile Val
 20 25 30

<210> 30
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Trp Asp Phe Gly Ser Ser Phe Phe Phe Ala Gly Thr Val Val Thr Thr
 1 5 10 15

Ile Gly

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Val Ile Lys Ser Asn Ser Gln Gln His Ile Lys Lys Leu Ile His Tyr
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Asn Gln Val Gly Phe Ile Ser Gly Met Asp Trp Phe
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Asp Gln Val Arg Leu Ile Pro Gly Met Gln Thr Trp Phe Asn Ile Gln
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Lys Ser Ile Asn Val Leu His His Lys Ile Val
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Arg Trp Ser Phe Ala Leu Val Ala Gln Ala Gly Val Glu Trp His Asn
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Leu Arg Ser Arg Gln Pro
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Gly Asn Glu Ala Thr Glu Trp Trp Leu Thr Pro Val Ile Pro Ala Leu
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Trp Glu Val Glu Ala
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Val Ile Ser Ala Phe Pro Thr Glu Ile Pro Gly Ser Ser His Trp Asp
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 Trp Leu Asp Arg Gly Cys Ser Pro Trp Arg Ala Ser Ser Arg Val Gly
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 Arg His Leu Thr Arg Glu Ala Gln Gly Val Arg Gly Phe Pro Phe Leu
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 Ile Gln Gly
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Glu Val Leu Lys Glu Ile Arg Lys Tyr Phe Glu Leu Asn Glu Asn Lys
 1 5 10 15
 Ile Thr Val Tyr Gln Asn Leu Leu Glu Ala Thr Lys Ala Leu Phe Arg
 20 25 30
 Glu Lys Phe Val Ala Leu Asn Ala Tyr Met Arg Glu Glu Glu Arg Phe
 35 40 45
 Ser Ile Asn Thr Leu Ser Phe His Phe Val Lys Leu Glu Lys Lys Ser
 50 55 60
 Lys Phe Asn Pro
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Gly Tyr Gly Asn Leu Ser Pro Asn Thr Met Ala Ala Arg Leu Phe Cys
 1 5 10 15
 Ile Phe Phe Ala Leu Val Gly Ile Pro Leu Asn Leu Val Val Leu Asn
 20 25 30
 Arg Leu Gly His Leu Met Gln Gln Gly Val Asn His
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<400> 38

Ile Ser Cys Ala Ala Ala Ile Leu Pro Phe Trp Glu Thr Gln Leu Asp
 1 5 10 15
 Phe Glu Asn Ala Phe Tyr Phe Cys Phe Val Thr Leu Thr Thr Ile Gly
 Page 12

20

25

Phe Gly Asp Thr Val Leu Glu His Pro Asn Phe Phe Leu Phe Phe Ser
35 40 45

Ile Tyr Ile Ile Val Gly Met
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